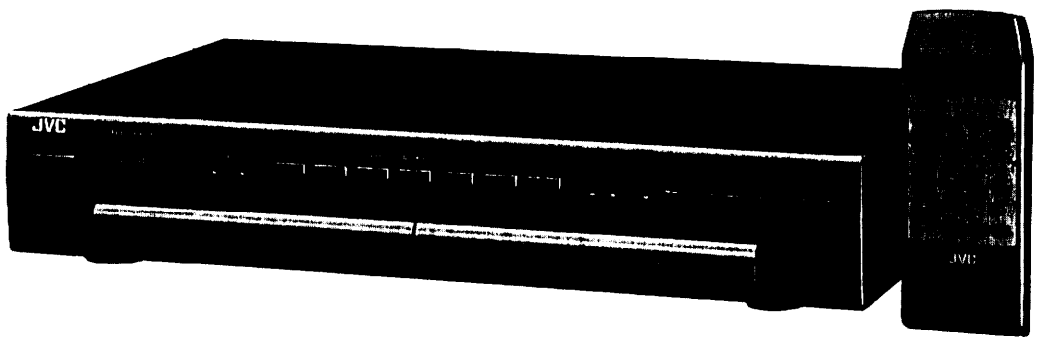
JVC

INSTRUCTIONS

JX-S700

AV SELECTOR

Smarthome.com, Inc. (800) SMART-HOME (949) 221-9200 http://smarthome.com

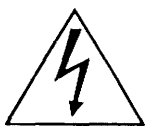


For Customer Use:
Enter below the Serial No. which is located on the rear or bottom of cabinet. Retain this information for future reference.

Model No. J X-S700

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Thank you for purchasing this JVC product.
Before you begin operating this unit, please read the instructions carefully to ensure you obtain the best possible performance.
If you have any questions, consult your JVC dealer.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove any screws, covers or the cabinet.
2. Do not expose this appliance to rain or moisture.

'It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.

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IMPORTANT

1. Installation
- Select a place which is level, dry and neither too hot nor too cold (between -5°C and 40°C/23°F and 104°F).
- **Keep** away from direct sunlight.
- Do not put it too close to a heater.

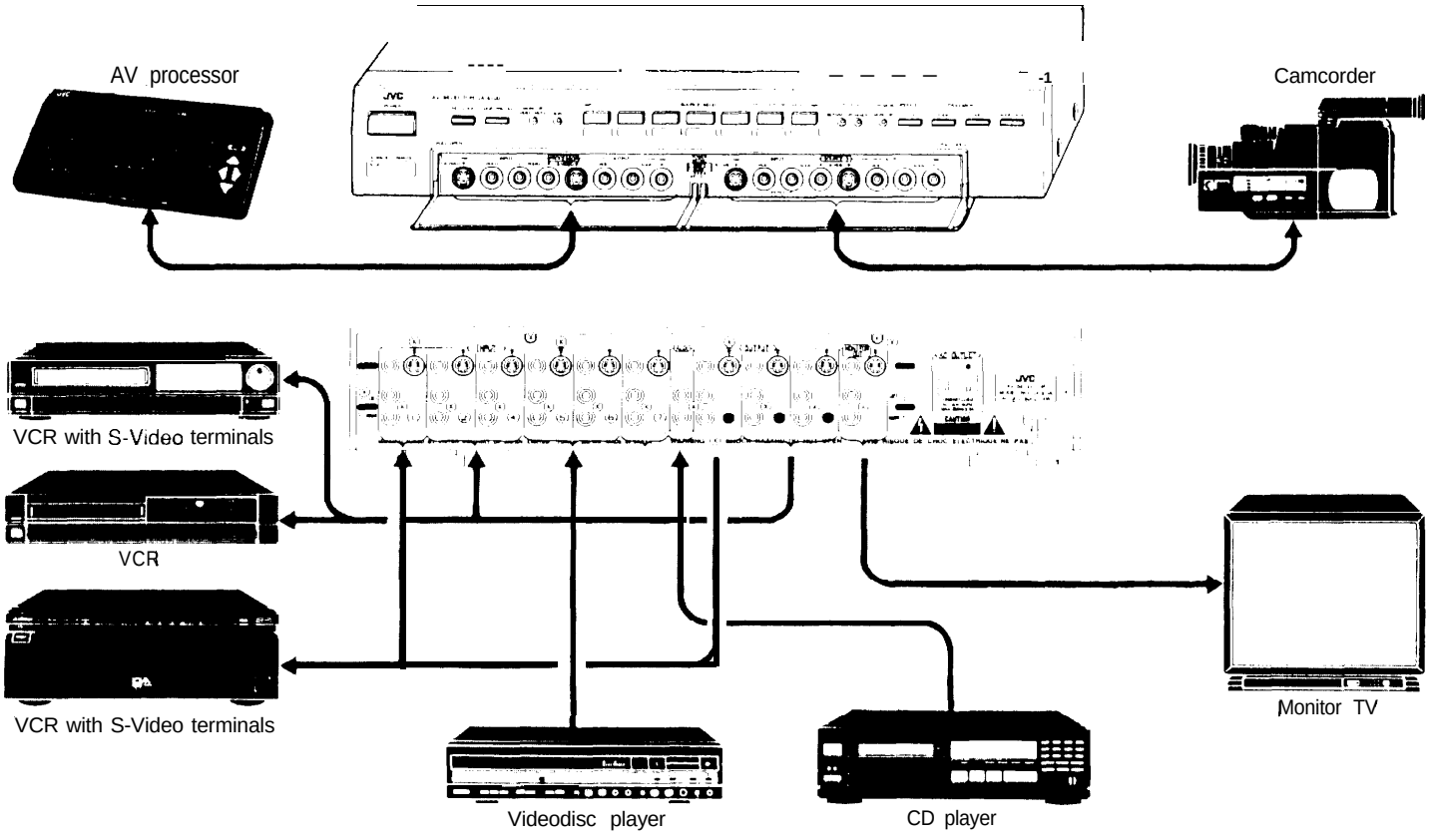
2. **Power cord**
- Do not handle the power cord with wet hands!
- Do not bend the power cord sharply.
- When unplugging from the wall outlet, always pull the plug, not the power cord.

3. Malfunctions, etc.
- There are no user serviceable parts inside. If problems occur, unplug the power cord and consult your dealer.
- Do not insert any metallic objects.
- Do not allow water to get inside.

FEATURES

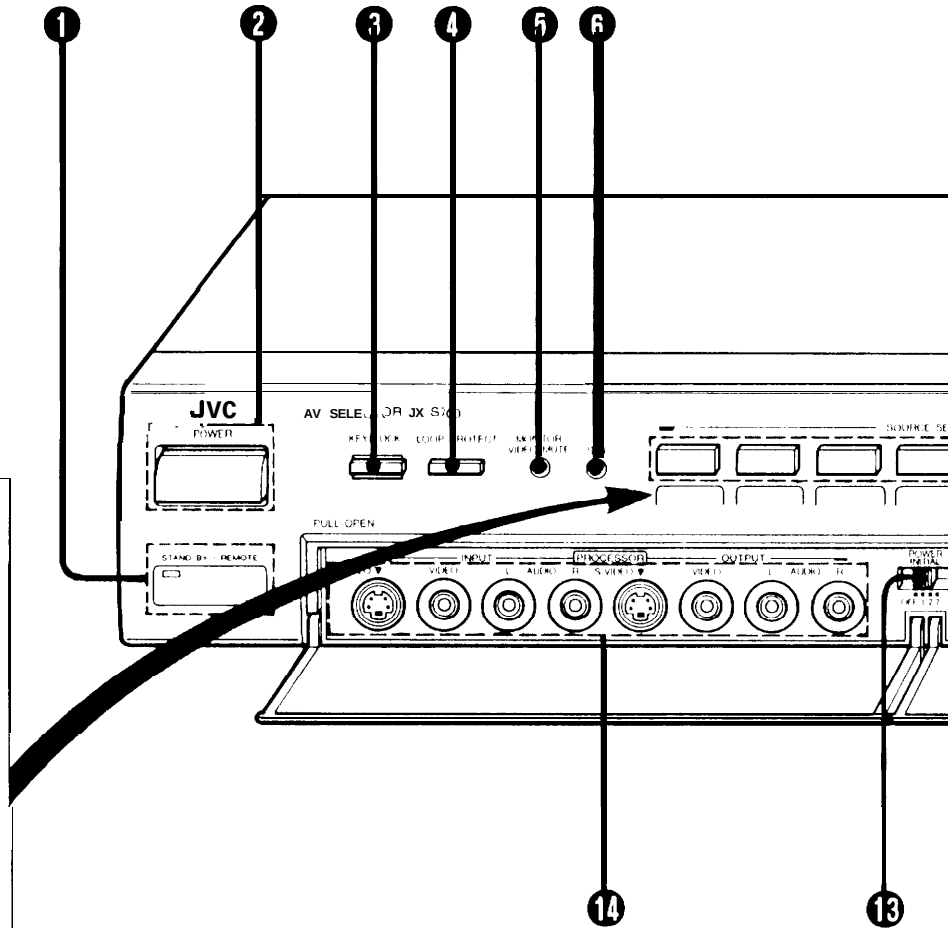
- 7 **inputs, 4 outputs and 1 monitor output Plus, audio AUX input and processor in/out terminals enabling 4-line fully mutual editing, as well as 2-line parallel editing.**
- **Full compatibility with Super VHS VCRs** All sets of terminals include S-Video jacks.
- **Built-in Y/C Separator & Y/C Mixer circuit** Convenient when editing between VCRs with S-Video terminals and VCRs without S-Video terminals.
- **Built-in video amplifier** Capable of pro-quality 12 MHz video frequency bandwidth and 960-line horizontal resolution.
- **Full function remote control provided**
- **Dual operation with key lock function** In dual operation mode, 2 different input signals can be routed independently. In addition, key lock function prevents mis-operation.
- **Convenient processor loop and audio inputs**
- **Video mute function**
- **Loop protect (output restriction) function**
- **Initial setting switch for timer-control operation**

System Connection Example

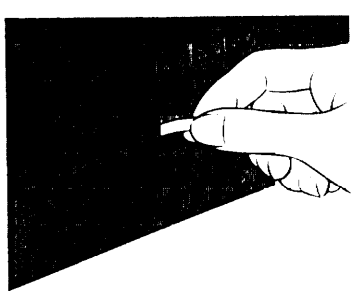


DESCRIPTION AND FUNCTIONS

Front Panel



- Attach the provided index labels corresponding to the AV components connected to the input terminals to these sections.



Use the blank labels as desired.

❶ **Remote control signal receptor and STAND BY/REMOTE indicator**
The indicator lights when the power is OFF and goes out when the power is turned ON. It blinks when receiving a signal from the remote control.

❷ POWER **button and indicator**
Press this button to turn the power ON. The JX-S700 consumes approximately 2 watts of electricity to backup the switch operation status even when the power is turned OFF.

❸ KEY LOCK **button and indicator**
Locks the present switch setting status.
While the indicator is lit, only the MONITOR VIDEO MUTE, MONITOR SELECT and KEY LOCK buttons are operable.

❹ LOOP PROTECT **button and indicator**
Selects whether or not the signal designated by one of the SOURCE SELECT buttons is to be output to the OUTPUT terminals of the same channel.
When the LOOP PROTECT indicator is lit, output is not to the same-channel OUTPUT terminals.

❺ MONITOR VIDEO MUTE indicator
When lit, no video signal is output to the MONITOR OUT terminals. (Switchable via remote control.)

❻ **S-IN indicator**
Lights when the S-Video jacks are connected to the INPUT terminals of the selected channel.

❼ SOURCE SELECT **button and indicators**
Select the required input source with these buttons. (The corresponding indicator lights.)
Also, used to select the required input for "Dual Operate" mode.

❽ Y/C SEPARATOR **and MIXER indicators**
Lights when either the built-in Y/C separator or Y/C mixer circuit is operated.

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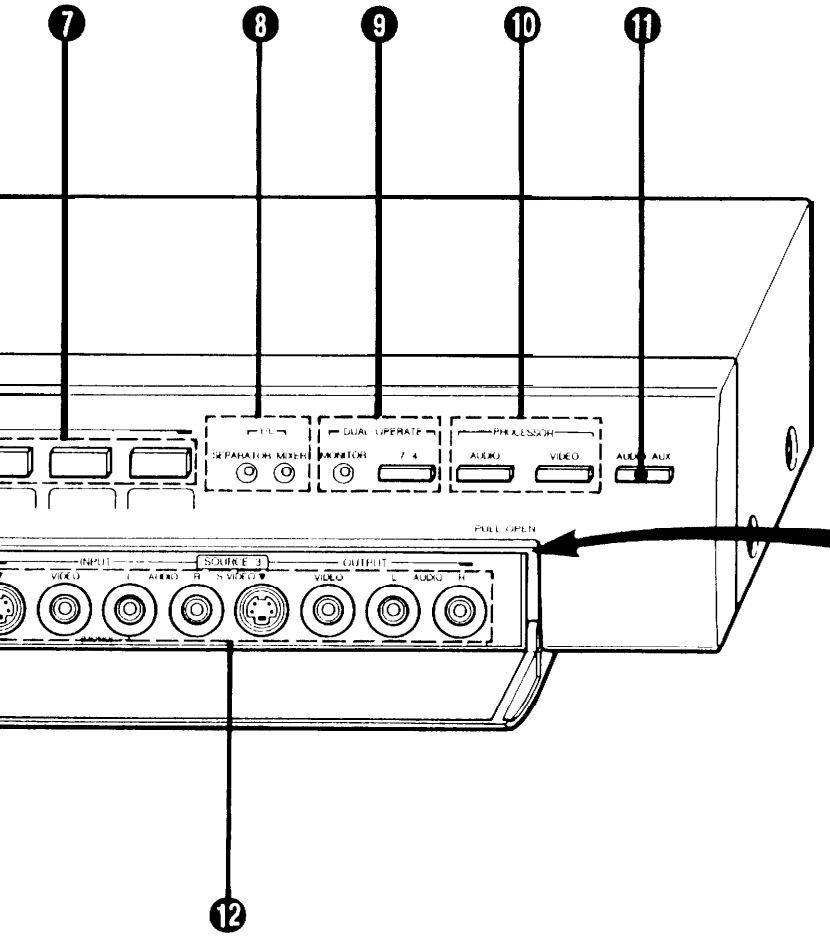
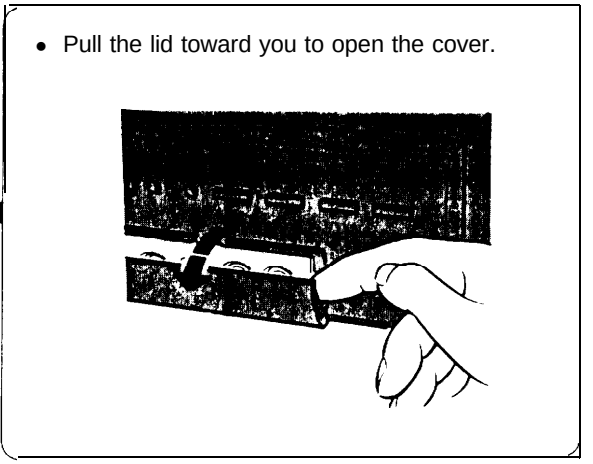




❾ DUAL OPERATE ON/OFF (7 → 4) **button and MONITOR indicator**
Press this button when "parallel editing" (simultaneous editing of two different sources) is required. When selected, the indicator lights, and the two sources are separately supplied to two other components (through Line-A and Line-B).
The color of the MONITOR indicator shows whether Line-A or Line-B is being monitored during "Dual Operate" mode (switchable via remote control):
Line-A . . . lights in green
Line-B . . . lights in yellow

❿ PROCESSOR ON/OFF (AUDIO/VIDEO) buttons and indicators
Press either of these buttons when the audio or video processor is used (the indicator lights).

⓫ AUDIO AUX ON/OFF button and indicator
When pressed, the audio signal from the input source is replaced by the signal from the AUX input terminals on the rear panel (the indicator lights).

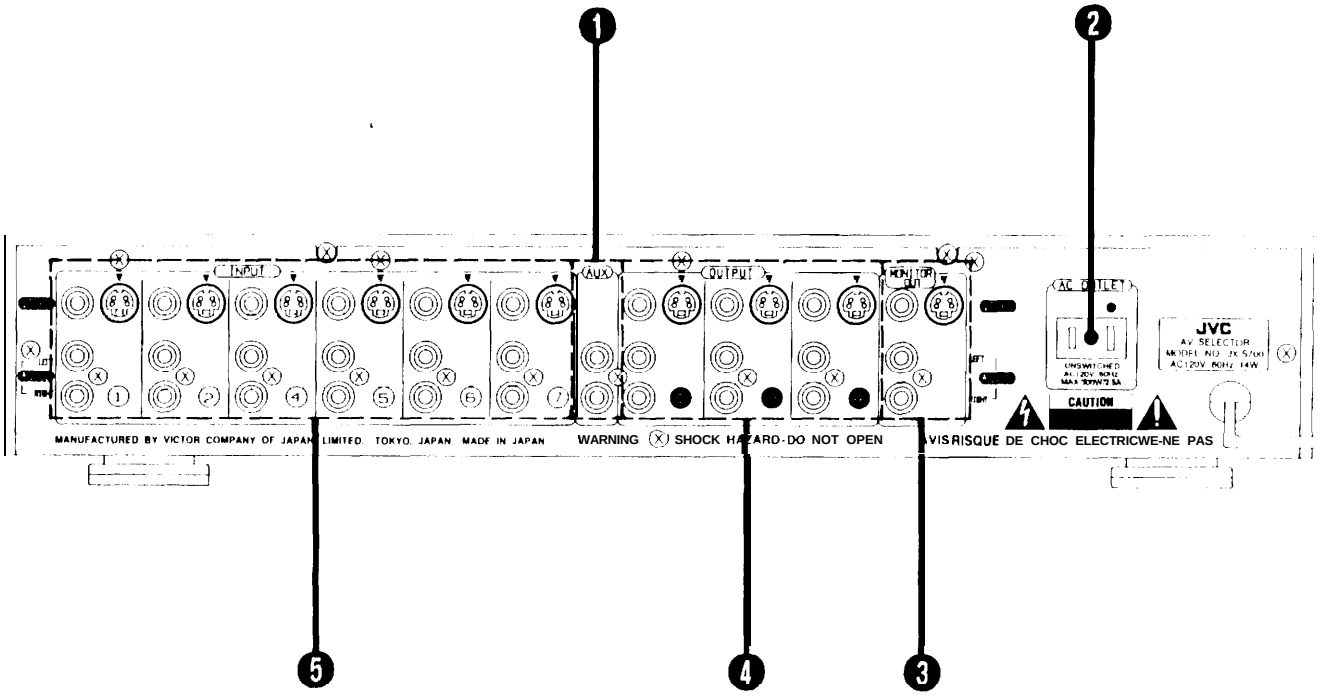
⓬ SOURCE-3 INPUT/OUTPUT terminals
The input terminals are effective only when the SOURCE SELECT-3 indicator is lit.

⓭ POWER INITIAL switch (OFF/1/2/7)
If this switch is set to "1", "2" or "7" when the power is turned ON, INPUT-1, INPUT-2 or INPUT-7 is selected as the source and KEY LOCK mode is automatically set to ON. Convenient when used with an external timer.

⓮ PROCESSOR INPUT/OUTPUT terminals
The input terminals are effective only when the PROCESSOR indicator is lit.

DESCRIPTION AND FUNCTIONS (continued)

Rear Panel



0 AUX input terminals
Effective only when the front panel AUDIO AUX indicator is lit.
Connect the output terminals of the audio component (CD player, etc.) to these terminals.

2 AC OUTLET
Supplies AC power to the AV component with a maximum of 300 watts. Power supplied via this socket is not interlocked with the POWER button of the JX-S700.
When the component to be connected has a polarized AC plug, insert the ground side of the plug into the hole marked with a dot (•).

3 MONITOR OUT **terminals**
The input source signal selected by the SOURCE SELECT buttons is output to these terminals.
When in "Dual Operate" mode, the input source signal selected by the MONITOR SELECT button (provided only on the remote control) is output to these terminals.

4 **OUTPUT-1/2/4** terminals
The input source signal selected by the SOURCE SELECT button is output to these terminals.
When in "Dual Operate" mode, the Line-A signal is supplied to the OUTPUT-I and OUTPUT-2 terminals, while the Line-B signal is supplied to the OUTPUT-4 terminals.

5 INPUT-I/2/4-7 terminals
Effective only when the corresponding SOURCE SELECT indicator on the front panel is lit.
In "Dual Operate" mode, only the terminals of the SOURCE SELECT indicators that are lit are effective for Line-A, while the INPUT-7 terminals are effective for Line-B.

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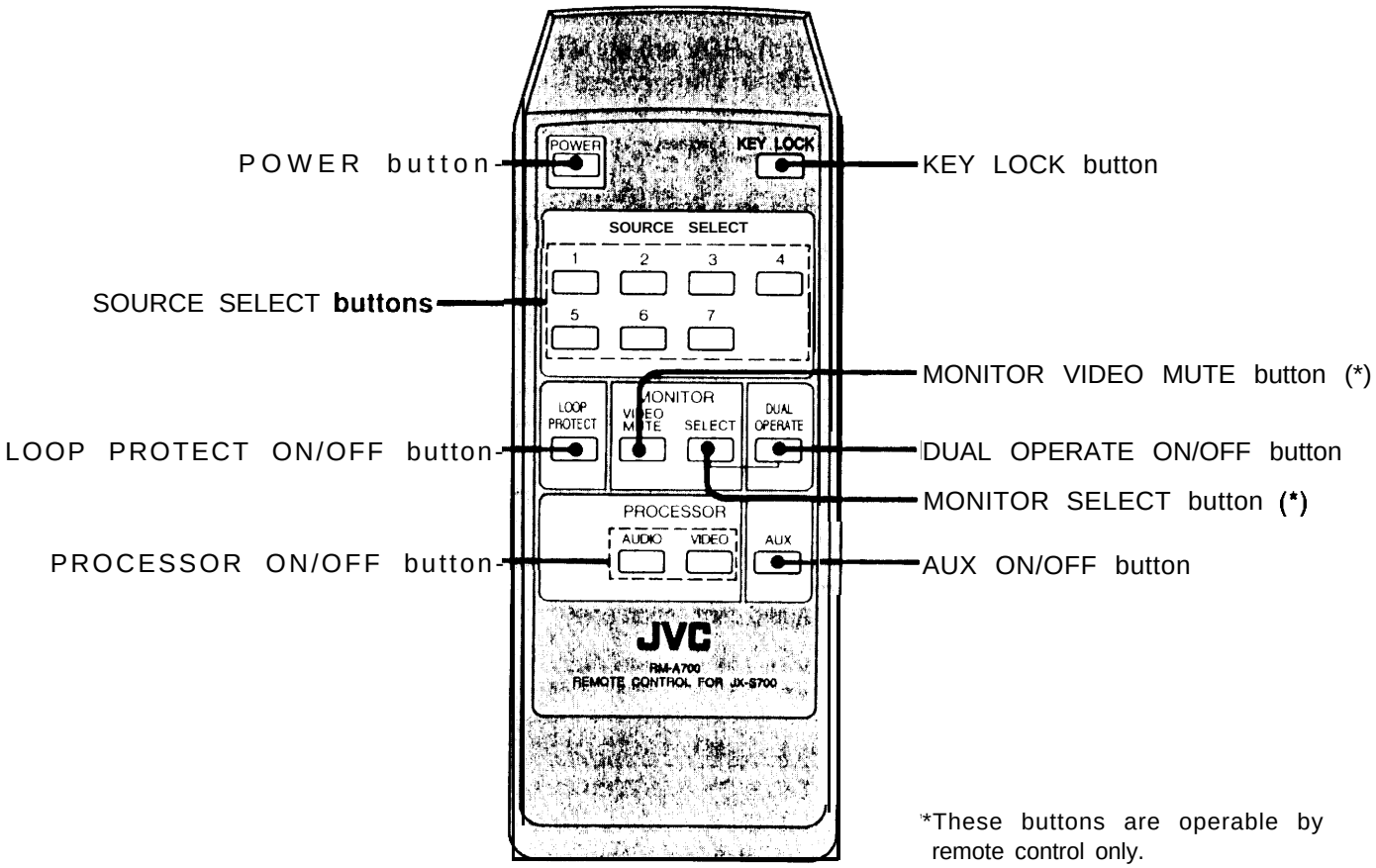
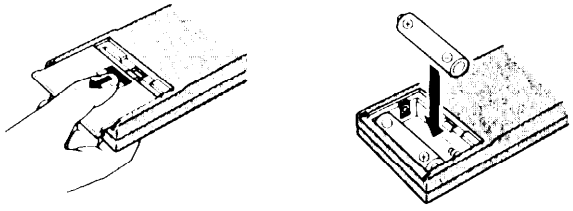
Remote Control)



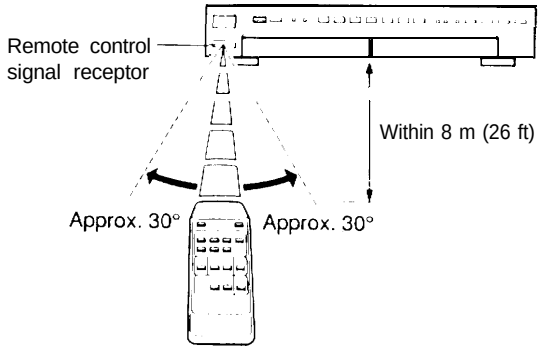
*These buttons are operable by remote control only.

■ How to insert batteries

- Remove the battery compartment cover on the back of the remote control and insert two SUM-4/AAA/R03 batteries as shown.



■ Remote control operation range



■ Cautions regarding batteries

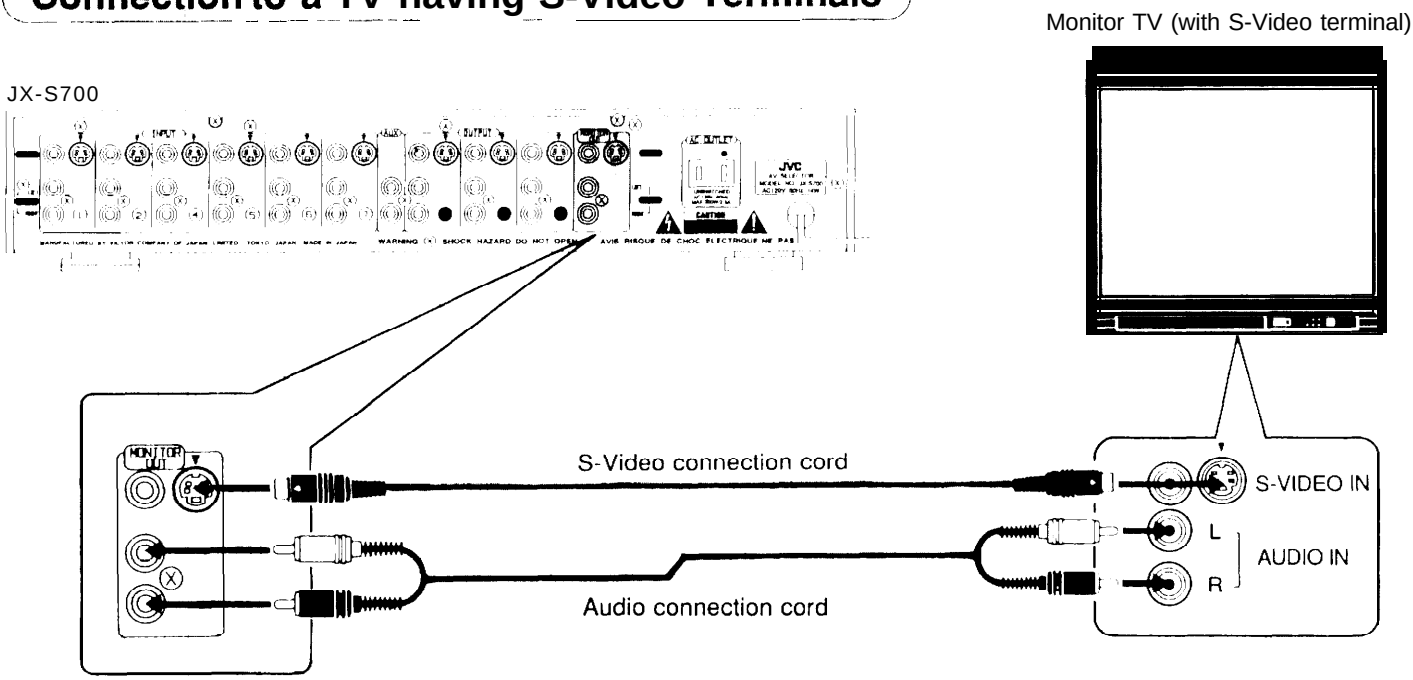
- If the batteries are used incorrectly, leakage or an explosion may occur. To prevent this, pay attention to the following points:
  - Insert the batteries correctly, with the positive (+) and negative (-) polarities as indicated.
  - Do not use new and old batteries together.
  - Use the same brand and type of batteries to ensure they supply the same voltage. (The voltage may differ slightly even if they are the same shape.)

  Also, carefully read the instructions labeled on the battery.
- When the unit is not to be used for an extended period of time, remove the batteries to prevent corrosion.
- Battery replacement:
  When the operable range of the remote control becomes shorter, the batteries have nearly expired. Replace them with the new ones.

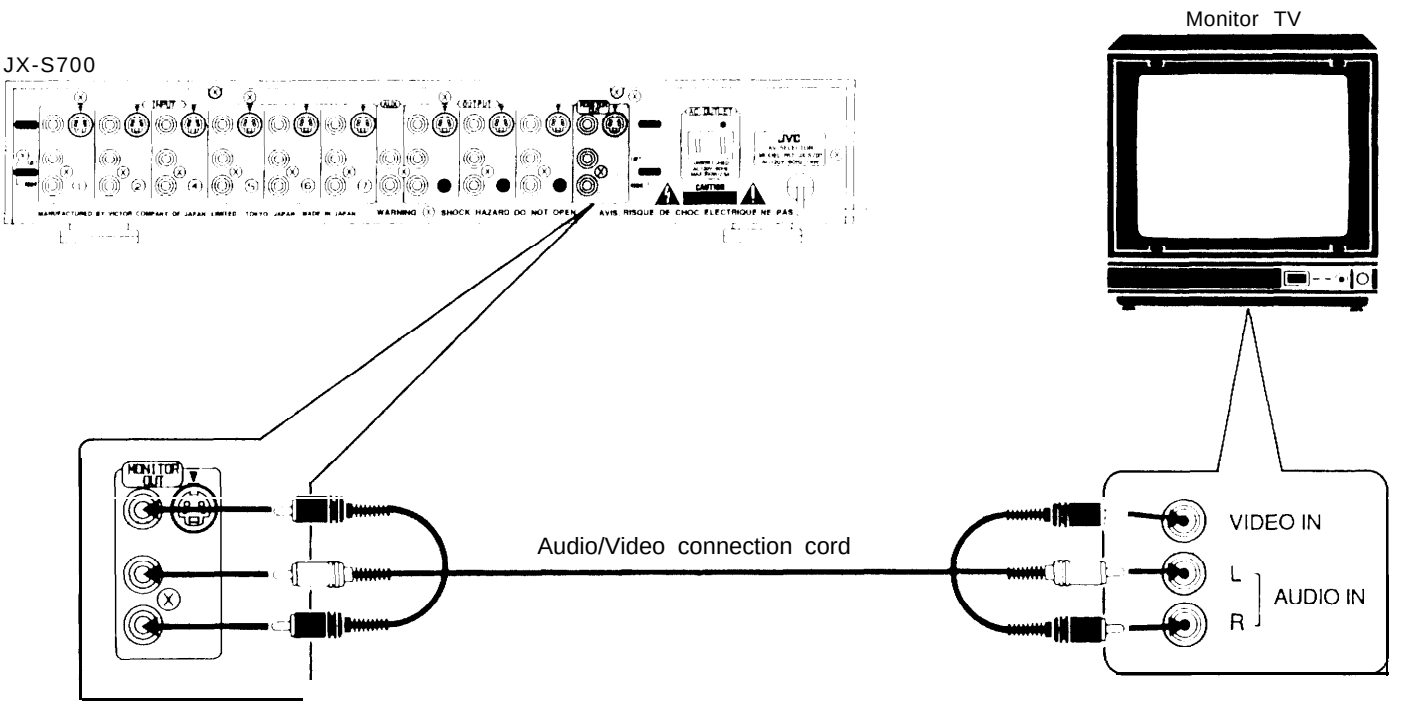
Connection To TV

According to the type of monitor TV used, perform connections as follows:

Connection to a TV having S-Video Terminals



Connection to a TV without S-Video Terminals



Notes on connections:

- When there is an S-Video/Video input select switch on the monitor TV, set it to "S-Video".
- Before making connections, be sure to turn OFF the power of each component.

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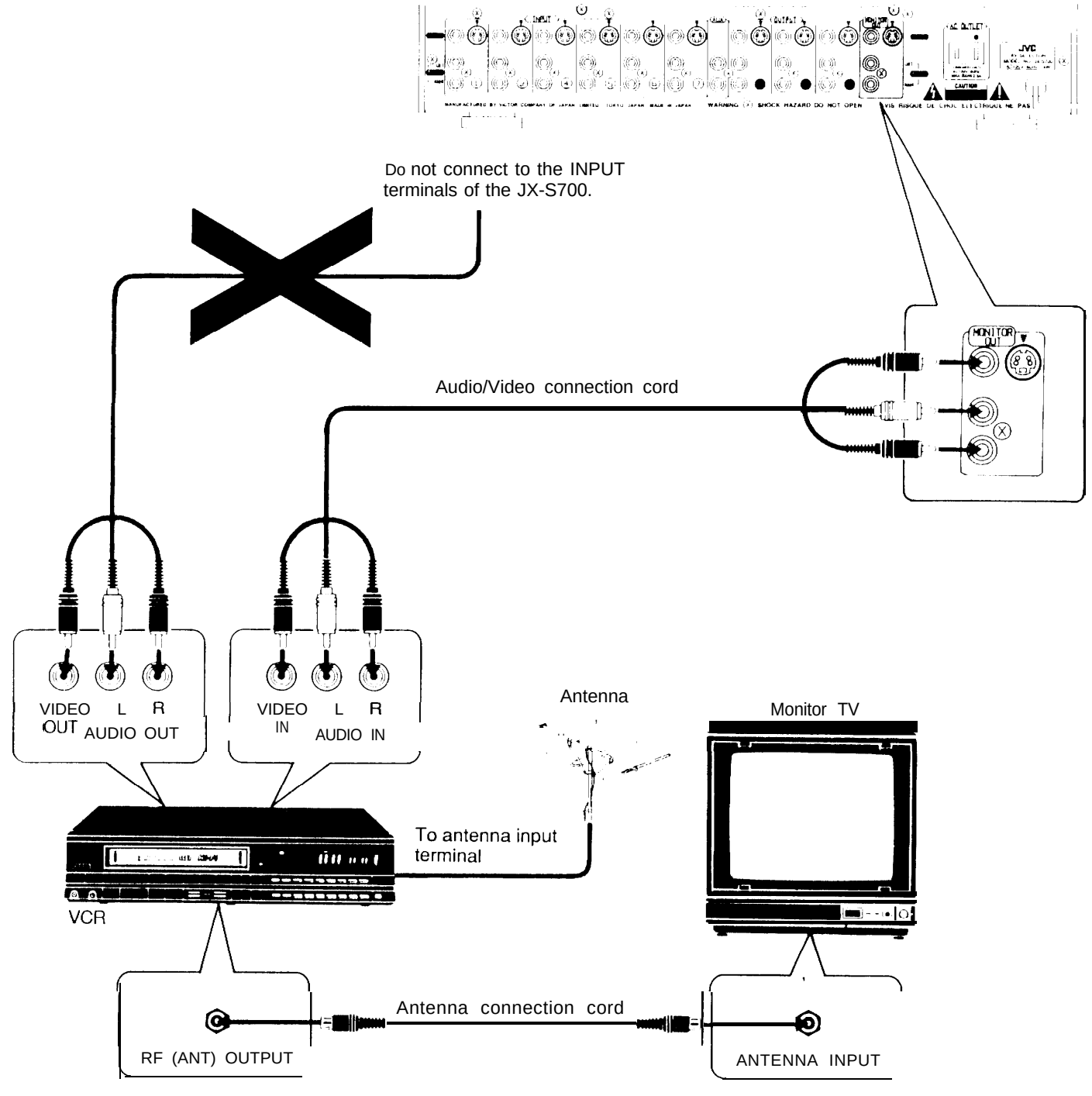
(Connection to a TV without Video Input

When the JX-S700 is used with a TV having no Video input terminal, an RF converter is required. Connect the MONITOR OUT terminals of the JX-S700 to the TV via the VCR. (In this case, the video program from the connected VCR cannot be monitored through the JX-S700.) Also, carefully read the instruction manual of the VCR.

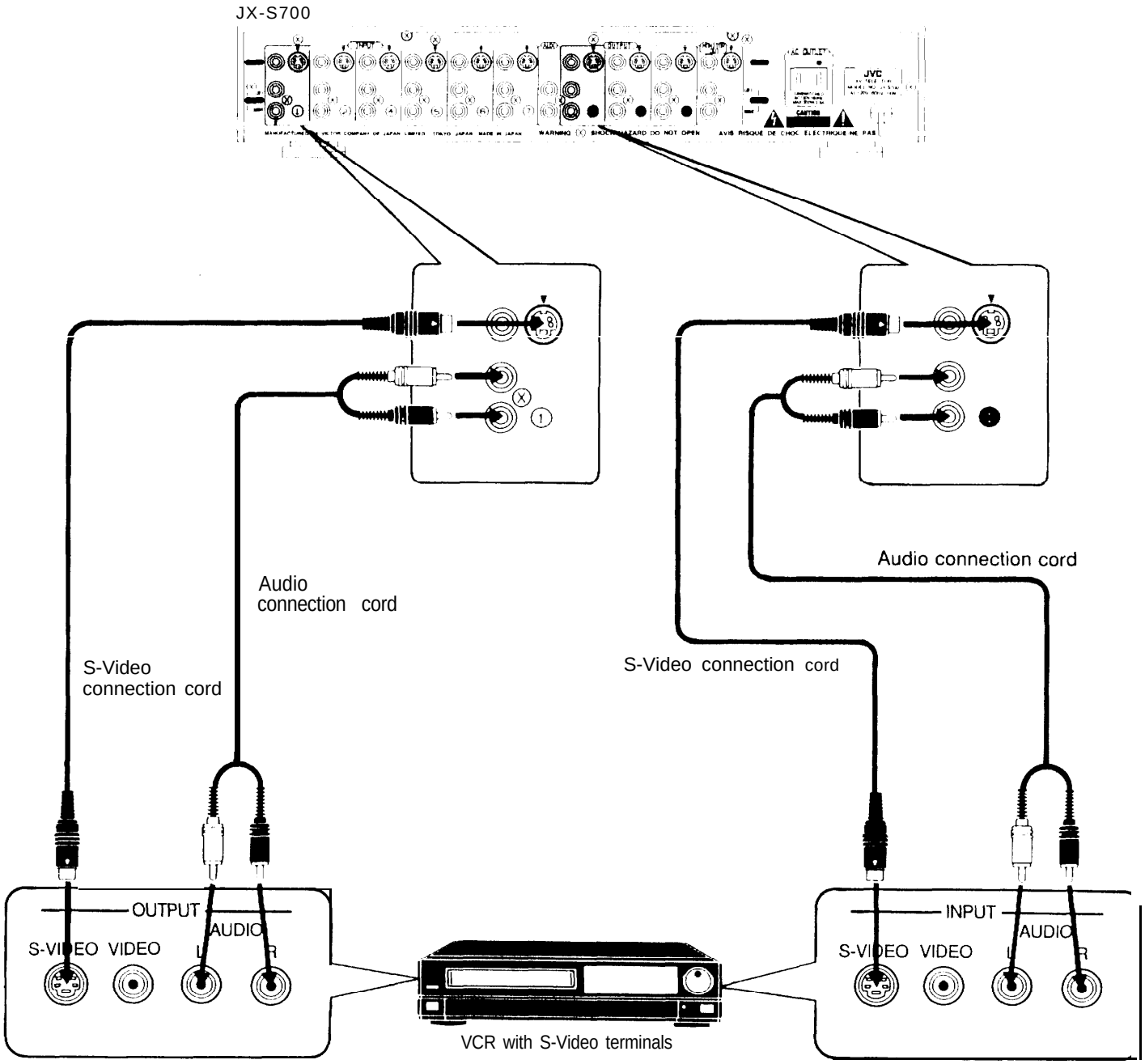


Note on connections:

- When there is an input select switch on the VCR connected to the MONITOR OUT terminals of the JX-S700, set it to “AUX” or “EXT IN”.

Connection To VCRs

(Connection to a VCR having S-Video Terminals)



(Connection to a VCR without S-Video Terminals]

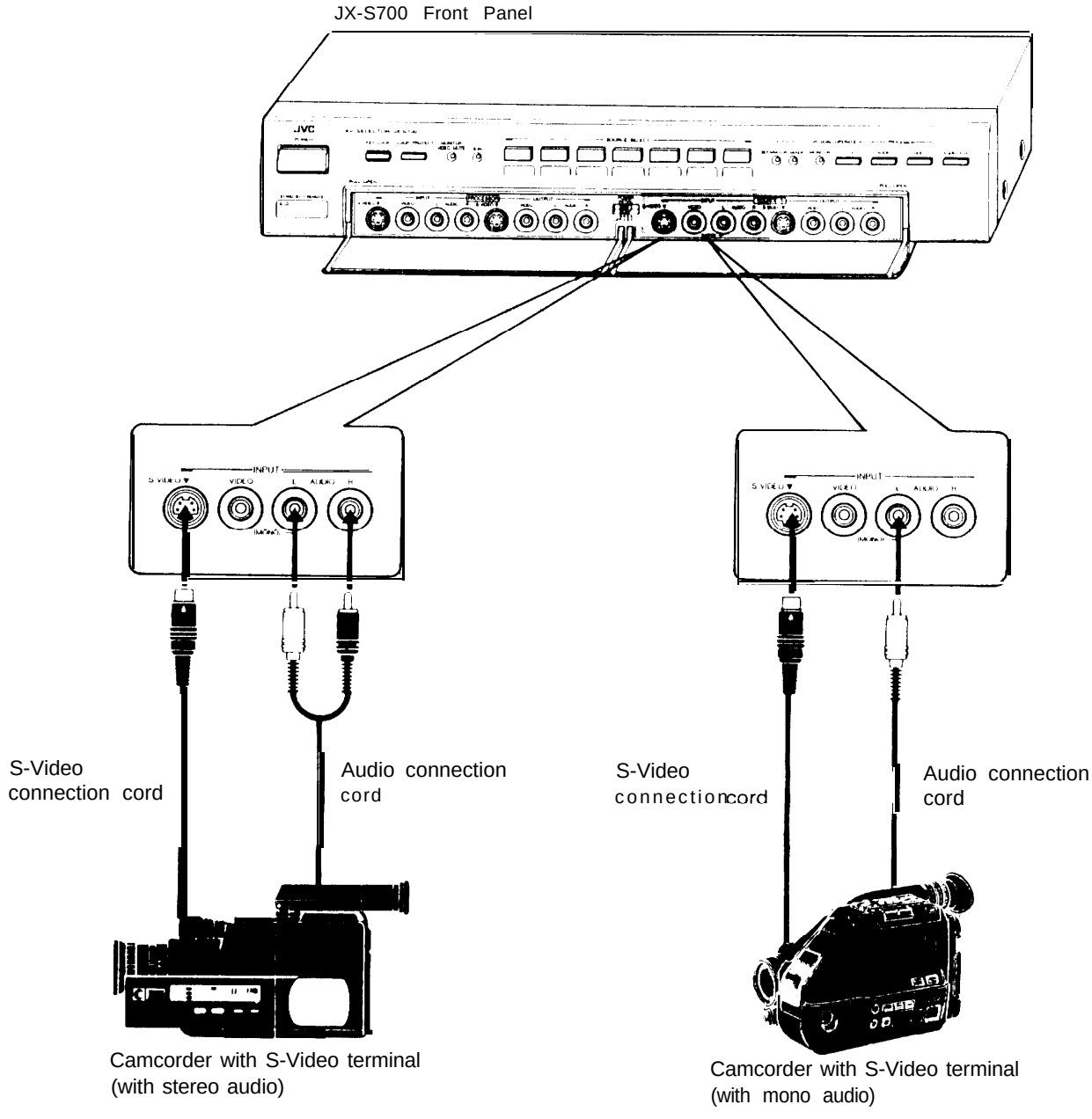
Using the audio/video connection cords, connect the VIDEO and AUDIO INPUT/OUTPUT terminals to the output and input terminals of the VCR, respectively.

Notes on connections:

- When there is an S-Video/Video input select switch on the VCR (with S-Video terminals), set it to "S-Video input".
- When the VCR is connected to the input/output terminals of the same channel as shown above, be sure to keep the LOOP PROTECT switch set to ON.

component to be connected.

Connection to a Camcorder


JX-S700 Front Panel
S-Video connection cord
Audio connection cord
S-Video connection cord
Audio connection cord
Camcorder with S-Video terminal (with stereo audio)
Camcorder with S-Video terminal (with mono audio)

(Connection to a Camcorder without S-Video Terminals

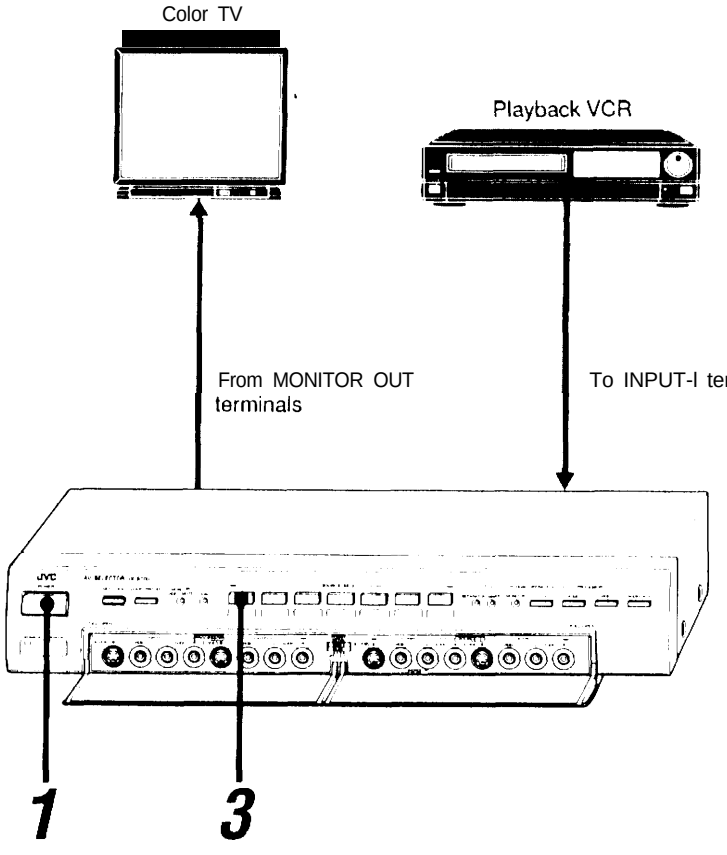
Using the AV output cable provided with the camcorder, connect the INPUT terminals of the JX-S700 to the output terminals of the camcorder.

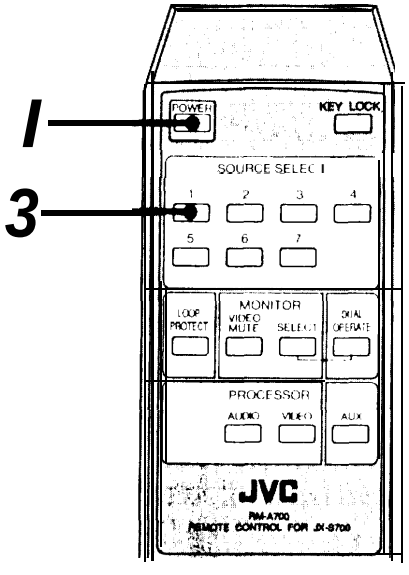
- When a camcorder with monaural audio is **used:**
  Connect the audio output terminal of the camcorder (with monaural audio) to the INPUT-3 "AUDIO L" terminal on the front panel of the JX-S700. The same audio signal will be supplied to both the left and right channels.

How To Watch a Video Program

The video program from the VCR selected by the SOURCE SELECT buttons can be viewed on the monitor TV.

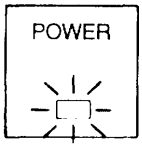
How to play a VCR connected to INPUT-1





1 Turn ON the power of the JX-S700 (the POWER indicator of the JX-S700 lights).

2 Turn ON the power of the Playback VCR and color TV.



3 Press the SOURCE SELECT-I button (the indicator of the JX-S700 lights).

4 Star-t playback of the VCR.

The illustrations show operation with the remote control.

How to play a video component connected to other input terminals

In the same way as described on page 12, press the corresponding SOURCE SELECT button and then start playing the required video component.

-Technical Information

How video signals are processed in the JX-S700

- Since the JX-S700 is equipped with Y/C-separator and Y/C mixer circuits, both S-Video and Video (composite) signals are supplied to the OUTPUT terminals, regardless of the type of signals input. If both S-Video and Video (composite) signals are input to the INPUT terminals of the JX-S700 at the same time, the S-Video signal has priority.

Signal flow indication of input video signals

■ Depending on the type of cables connected to the INPUT terminals selected by the SOURCE SELECT button, the indicators light as follows:

Indicator / Video input plug	S-IN	Y/C SEPARATOR	Y/C MIXER
S-Video plug	Lights	Not lit	Lights
Video plug	Not lit	Lights	Not lit

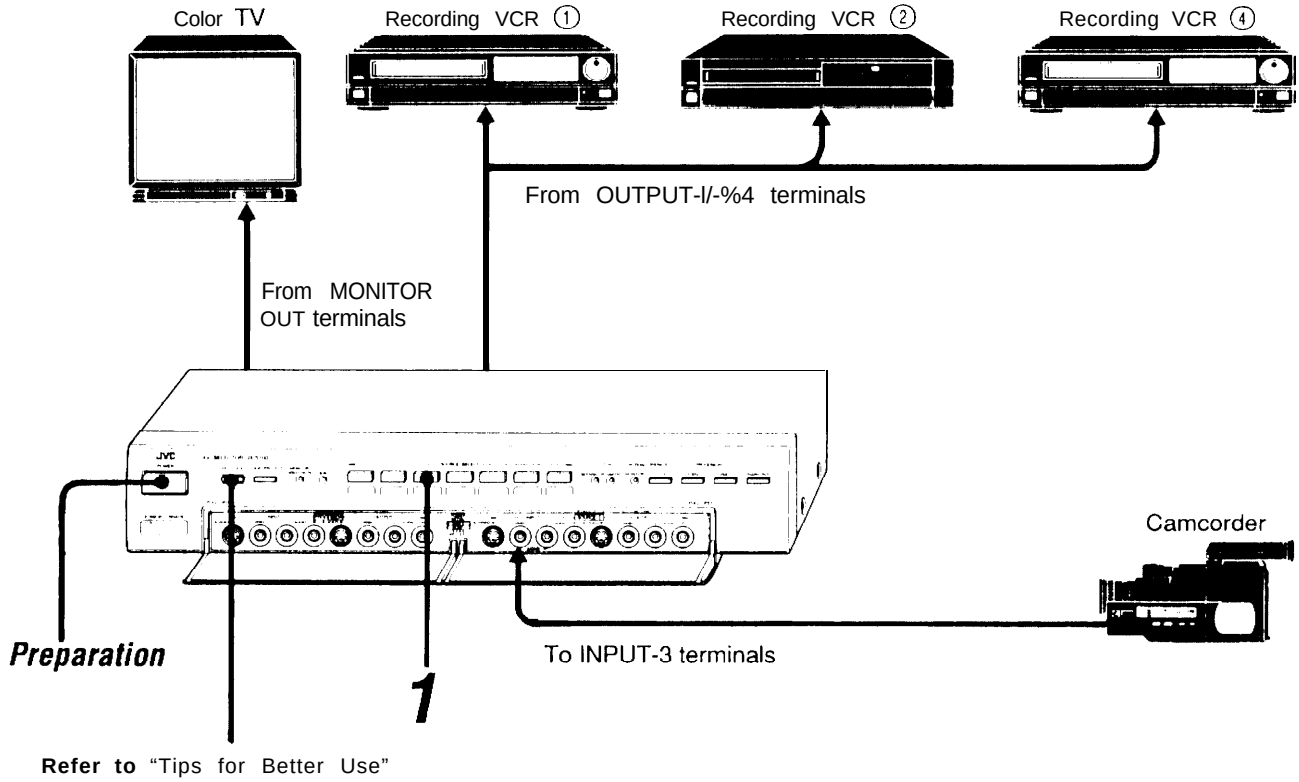
- When both S-Video and Video (RCA) plugs are connected at the same time, only the S-Video plug is effective and the S-Video signal has priority.
- When neither S-Video nor Video plugs are connected, only the Y/C SEPARATOR indicator lights.

Note:

- Connect the S-Video plugs securely. If not, the indicators may not light correctly.

How To Perform Video Editing

How to Edit from a camcorder connected to INPUT-3 onto VCRs connected to OUTPUT-1/2/4



Refer to "Tips for Better Use" **on page 15.**

Preparation

Turn ON the power of the JX-S700 and each component (the POWER indicators of the JX-S700 light).

1 Press the SOURCE SELECT-3 button (the indicator of the JX-S700 lights).

2 Start recording of the VCR(s), and start playback of the camcorder.

Camcorder: ▷ PLAY

Recording VCR ①, ②, ④: ○ REC

The illustrations show operation with the remote control.

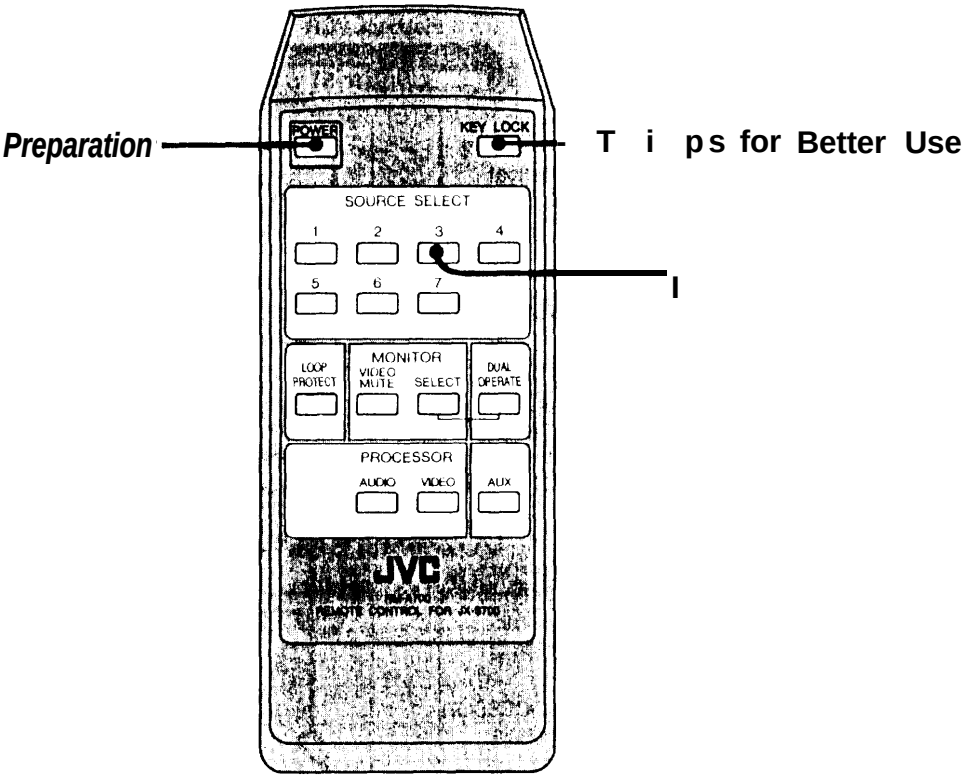
Be sure to make a test recording before recording an Important program.

Notes on edlting:

- It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.
- When performing editing, be sure to set the input select switch of the recording VCR to EXT (or AUX) input mode.

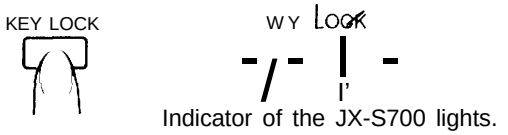
manual ot each component.

Remote control diagram



Tips For Better Use

About "Key Lock" mode:
While the recording VCR is being operated, by pressing the KEY LOCK button on the JX-S700 will lock the key operation and thus effectively prevent mis-operation.
When in Key Lock mode, only the MONITOR SELECT, MONITOR VIDEO MUTE and KEY LOCK buttons are effective. Therefore, if another button is mistakenly pressed during editing, the JX-S700 continues operation.



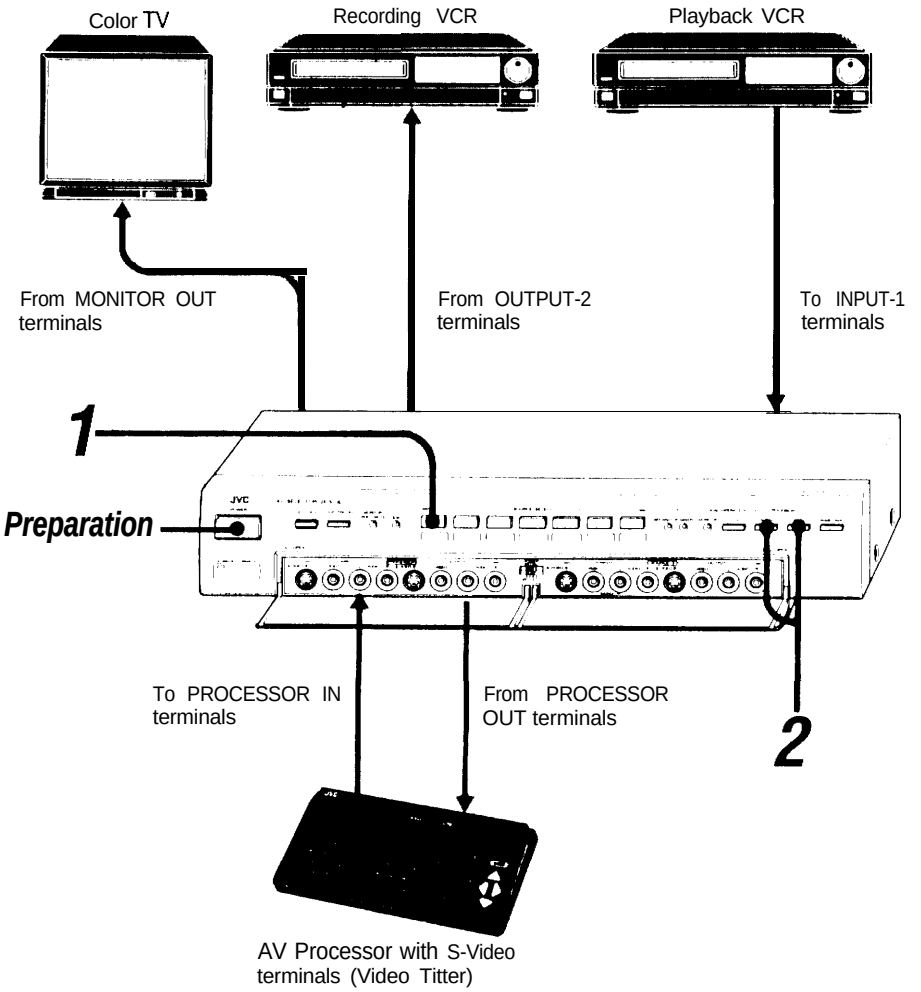
Indicator of the JX-S700 lights.

Note on use:
- When changing operation mode during Key Lock status, first press the KEY LOCK button to release Key Lock mode.

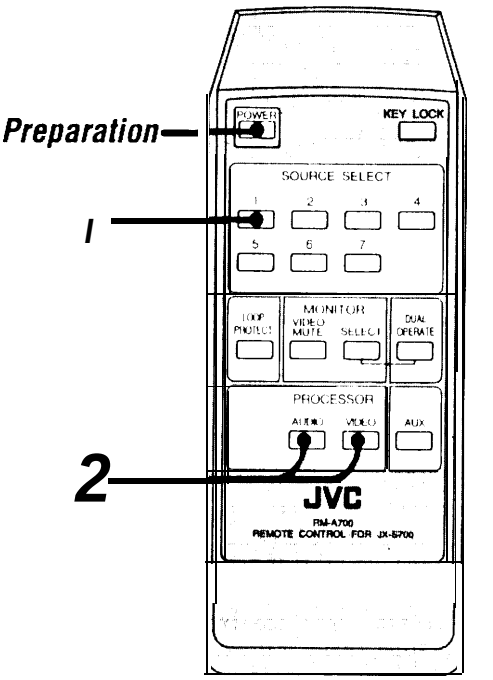
APPLICABLE OPERATIONS

How To Edit With an AV Processor

Editing from an S-Video VCR connected to INPUT-1 to a VCR connected' to OUTPUT-2 via the AV Processor



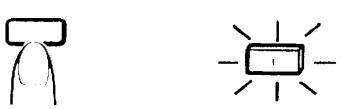
AV Processor with S-Video terminals (Video Titter)



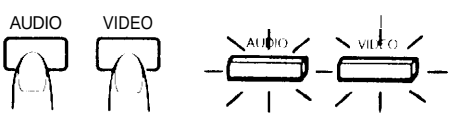
Preparation

Turn ON the power of each component (the POWER indicator of the JX-S700 light).

1 Press the SOURCE SELECT-I button (the indicator of the JX-S700 lights).



2 Press the PROCESSOR "AUDIO" and "VIDEO" buttons (the indicators of the JX-S700 light).

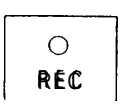


3 Start playing the playback VCR.

4 Operate the Video Titler as required.

5 Start recording with the recording VCR.

Recording VCR

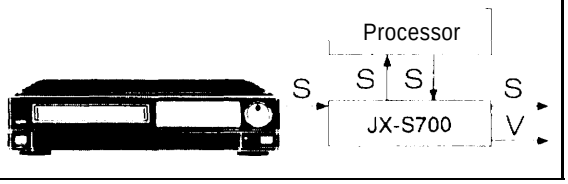


Connections when using an AV processor

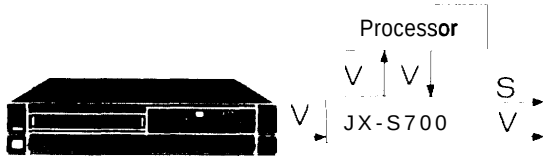
Since the built-in Y/C separator and Y/C mixer circuits are not applied to the PROCESSOR OUT terminals of the JX-S700 (but effective for signal input to the PROCESSOR IN terminals), connect the AV processor in the following manner:

■ When using an AV processor with S-Video terminals

• Signal flow from the playback VCR with S-Video terminals:



• Signal flow from the playback VCR without S-Video terminals:

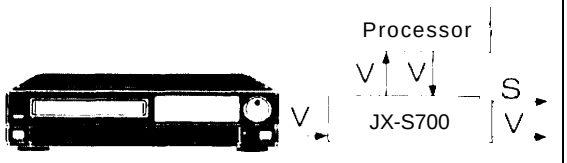


(Pictures may not be monitored depending on the type of processor used. Refer to “Cautions” below.)

*It is recommended that both S-Video and Video cords be plugged for connection between the processor and the JX-S700, so that either type of VCR (shown above) can be used for playback.

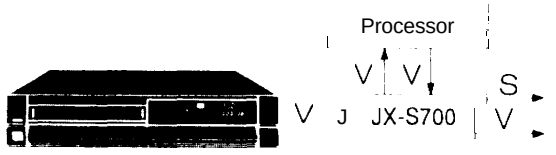
■ **When using an AV processor without S-Video terminals**

• Signal flow from the playback VCR with S-Video terminals:



*When the processor is not used, use the S-Video connection cord between the JX-S700 and the playback VCR for monitoring pictures in better quality.

• Signal flow from the playback VCR without S-Video terminals:



S: S-Video signal
V: Video (composite) signal

Note **when** Dual Operation is required:

• When performing parallel editing, the processor loop will be effective only for the Line-A components.

About the AV Processor

AV processors are used to modify or apply several effects on the original source signals while editing:

■ Audio processor: Audio mixer, Surround processor, etc.
■ Video processor: Enhancer, Color corrector, Fader, Video titler, etc.

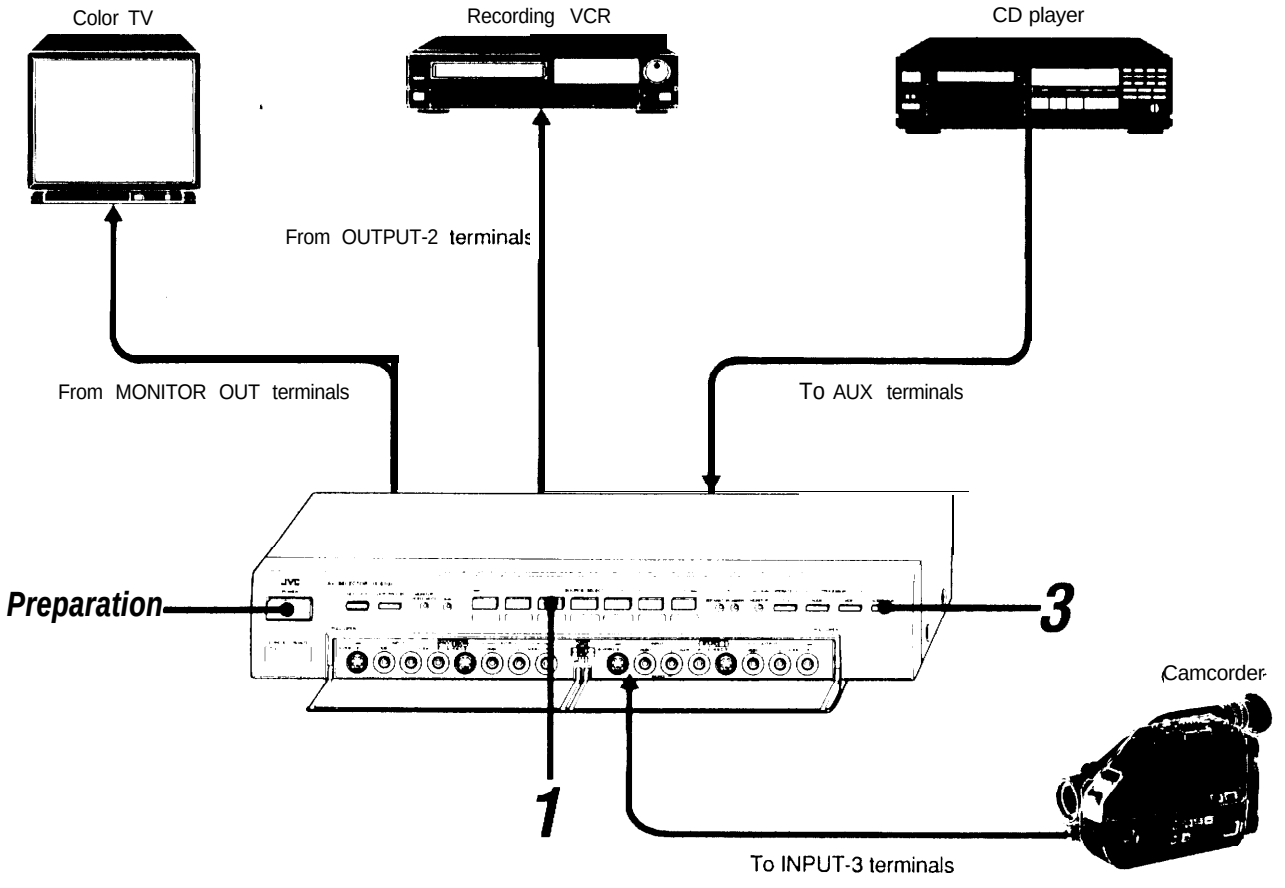
Cautions on connections between VCR without S-Video terminals and processor with S-VIdeo terminals

1. When an S-Video/Video select switch is provided on the processor:
   • Set the switch to “Video” position.
2. When an S-Video/Video select switch is not provided and there is only one input line:
   • When the S-Video input terminals are used, S-Video signals have priority.
   • When inputting signals from a VCR without S-Video terminals, unplug the S-Video cord from the input terminals of the processor.
3 When an S-Video/Video select switch is not provided and there are two input lines:
   ■ Connect the S-Video cord into either of the input terminals and connect the standard video cord into the other. Then, set the input select switch of the processor to the one where the required signal is input.
   (Use the optional audio connection cable to separate mono audio into two signals.)

APPLICABLE OPERATIONS

How To Edit With Audio Insertion

Editing from a camcorder connected to INPUT-3 onto a VCR connected to OUTPUT-2, and replacing the sound with that from a CD player



Preparation

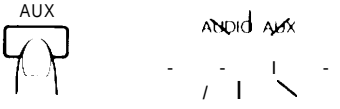
Turn ON the power of each component (the POWER indicator of the JX-S700 light).

1 Press the SOURCE SELECT-3 button (the indicator of the JX-S700 lights).

2 Start playback of the camcorder.

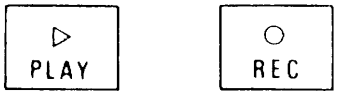
Camcorder

3 Press the AUX ON/OFF button (the AUDIO AUX indicator of the JX-S700 lights).



4 Start the CD player and the recording VCR.

CD player Recording VCR



The illustrations show operation with the rernote control.

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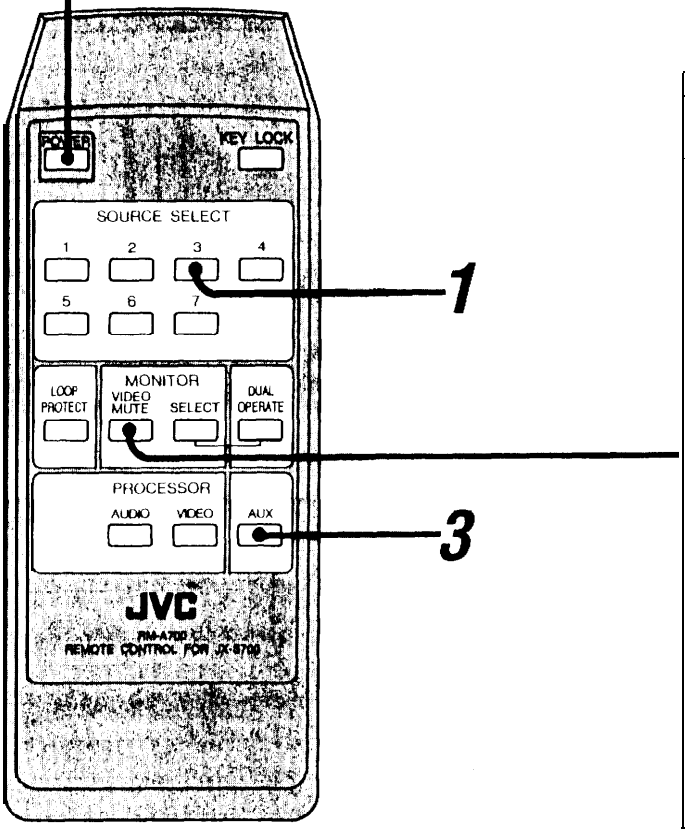
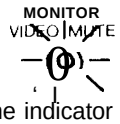


Tips: About "Monitor Video Muting"

- With the Monitor Video Muting function of the JX-S700, the picture can be muted (masked) while the sound is kept output.
- When only music is required and not pictures, press the MONITOR VIDEO MUTE button. The video signal will not be output from the MONITOR OUT terminals. Press it again to resume the original status.



The indicator of the JX-S700 lights.

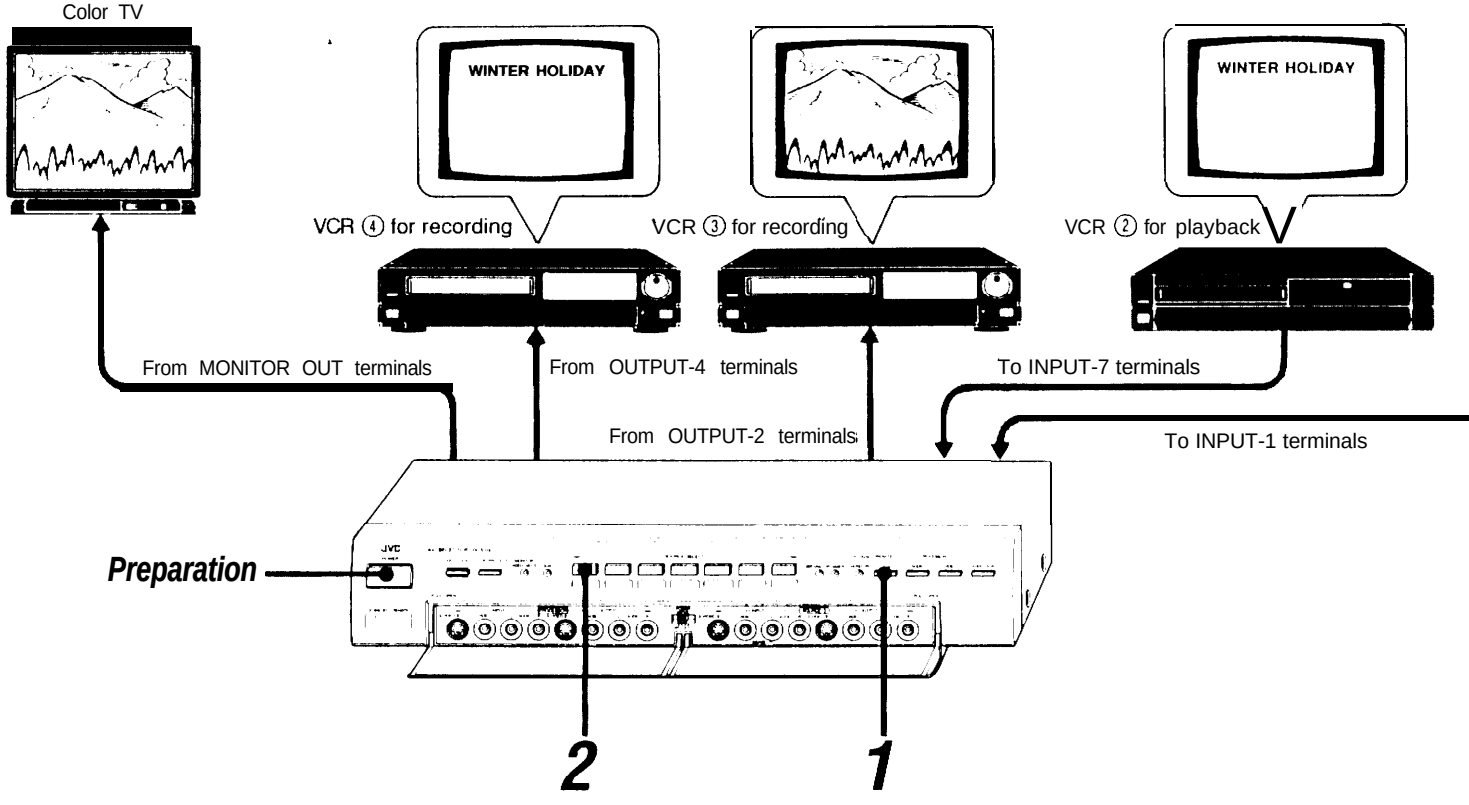
- This function is available only with the remote control.
- Switching the Monitor Video Muting function ON/OFF is possible even during Key Lock mode.

Notes on operatlon:

- When the Dual Operation is used, audio insertion is possible only for the Line-A components.
- To resume the original camcorder sound, press the AUX ON/OFF button again (the AUDIO AUX indicator of the JX-S700 goes off.)

How To Perform Parallel Editing

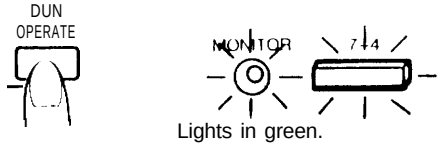
Simultaneous editing from a VCR connected to INPUT-1 to a VCR on OUTPUT-2, and from a VCR connected to INPUT-7 to a VCR connected to OUTPUT-4



Preparation

Turn ON the power of each component (the POWER indicator of the JX-S700 light).

1 Press the DUAL OPERATE button (the indicator of the JX-S700 lights) [check that the indicator is green]



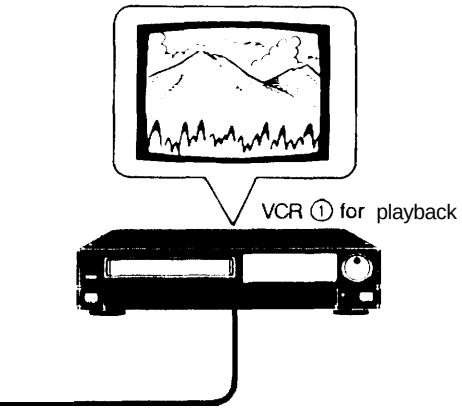
2 Press the SOURCE SELECT-I button (as a source for Line-A) [the indicator on the front panel of the JX-S700 lights].

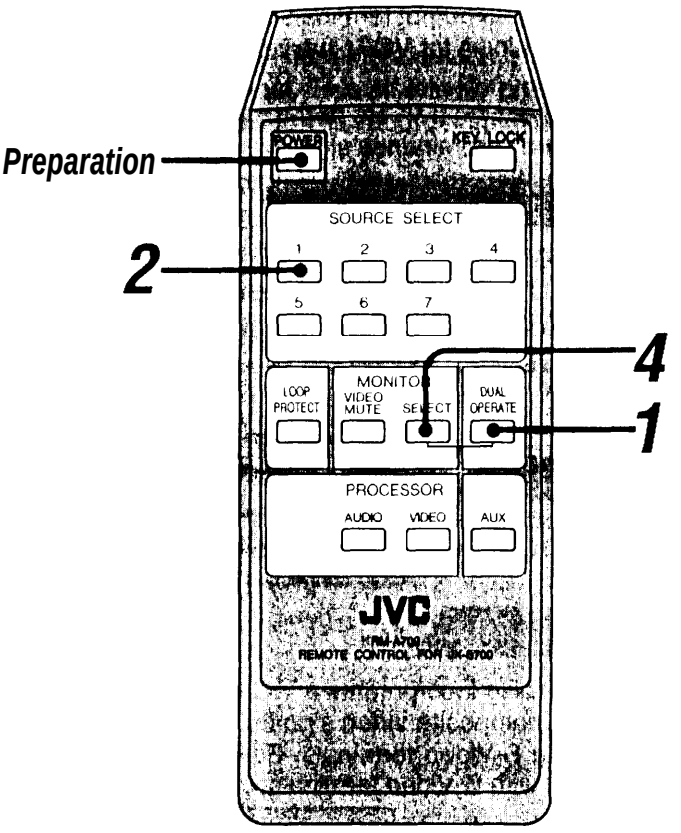
3 Start the playback VCR ① and the recording VCR ③.

VCR ① for playback VCR ③ for recording

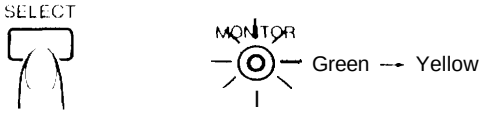
The illustrations show operation with the remote control.

■ **Monitor indication In Parallel Editing mode:**
The MONITOR indicator lights only when the Parallel Editing is activated. Monitor selection between Line-A and Line-B is possible with the MONITOR SELECT button on the remote control. The indicator changes color according to the selected line*





4 Press the MONITOR SELECT button (the indicator on the front panel of the JX-S700 changes from green to yellow).



5 Start the playback VCR ② and the recording VCR ④.

VCR @for playback VCR @for recording

The monitor TV shows the picture of the playback VCR ②

Cautions on parallel editing

- Although any source is available as an input for Line-A, the input/output sources for Line-B are fixed:
  - Line-A Input: INPUT-1 to INPUT-7 (selectable with the SOURCE SELECT buttons)
  - Output: OUTPUT-l, OUTPUT-2, OUTPUT-3
  - Line-B Input: INPUT-7 (fixed)
  - Output: OUTPUT-4
- Turn the DUAL OPERATION button OFF to resume the original mode (before the button was pressed).
- Monitor Select is available only with the remote control.

Notes **when Parallel Editing (Line-B)** is used

- While Parallel Editing is used, editing via processor or audio insertion with sound from the AUX terminals is not possible for Line-B.
- When Line-B is selected with the MONITOR SELECT button on the remote control, the built-in Y/C separator and Y/C mixer circuits are not effective (refer to page 22 for connection set up).

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Tips For Better Use

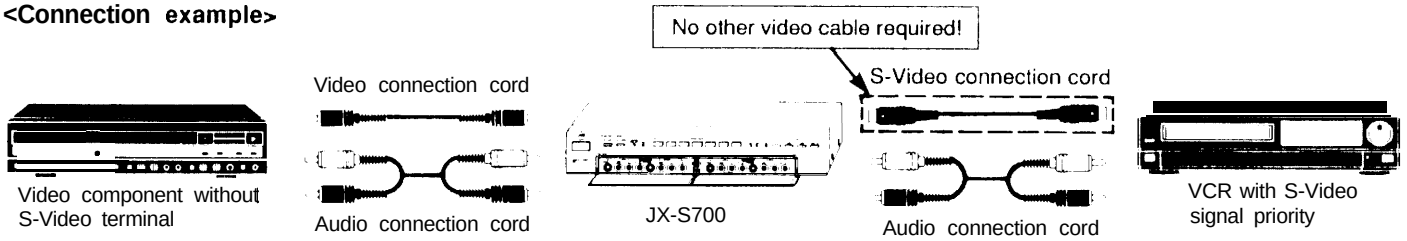
S-Video input/output terminals

- The S-Video input/output terminals are used to transmit the separated Y (luminance) and C (chrominance) signals.
- Use these terminals for VCRs having S-Video terminals minimize video signal loss and for clearer recording/playback of pictures.
- Connect conventional VCRs to the standard Video input/output terminals, which handle composite video signals of luminance and chrominance signals.

Y/C Separator circuit)

- The JX-S700 incorporates a Y/C separator circuit which splits composite video signal input to the VIDEO input terminal into Y (luminance) and C (chrominance) signals. This is convenient when editing from VCRs without S-Video terminals to VCRs with S-Video terminals, or when a TV with S-Video input terminals is used as the monitor.

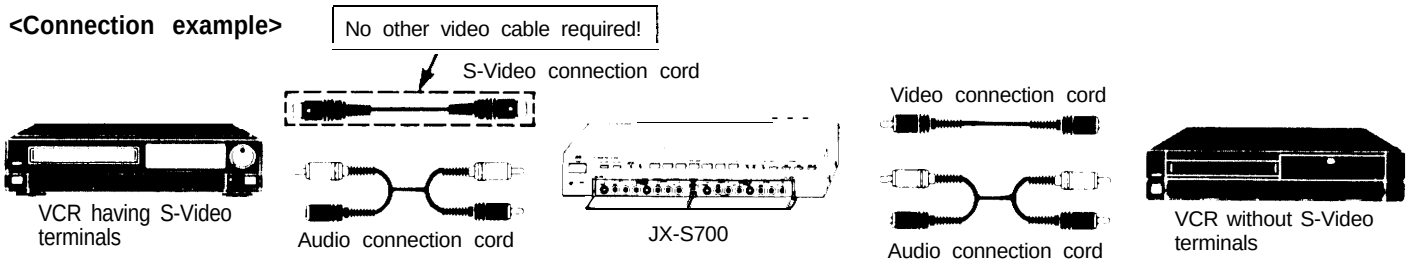
<Connection example>



Y/C Mixer circuit

- The JX-S700 also incorporates a Y/C mixer circuit which combines Y/C-separated video signals input to the S-Video terminal into composite video signals. This is convenient when editing from VCRs with S-Video output terminals to VCRs without S-Video terminals. Connection is easy by using an S-Video connection cord between the JX-S700 and the VCR with S-Video terminals.

<Connection example>



(Connections for Line-B components in Parallel Editing mode-)

- When parallel editing is used, the Y/C separator and mixer circuits are not effective for Line-B components. Make connections paying attention to the following points:

1) When **VCRs without S-Video terminals are connected to OUTPUT-4 or MONITOR OUT:**
   For connection of VCRs with S-Video terminals to INPUT-7:
   Connect both S-Video and Video connection cords.
2) **When VCRs without S-Video terminals are connected to INPUT-7:**
   For connection of VCRs with S-Video terminals to OUTPUT-4 or MONITOR OUT:
   Connect both S-Video and Video connection cords.

   However, when parallel editing is required, set the video components as follows:
   ① When the video component has S-Video signal priority:
   Remove the S-Video connection cord.
   ② When the S-Video/Video select switch is provided:
   Set it to VIDEO position.

- Careful attention is required when the AV processor is connected.
  For details, refer to “How to Edit with an AV Processor” on page 16.

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LOOP PROTECT (output restriction) function

Normal use:

- **Set** the LOOP PROTECT switch to ON. The source signal from the input terminals selected by the SOURCE SELECT button will not be output to the output terminals of the same channel. This effectively prevents resonance generation which occurs when both the input and output lines connected to the recording/playback component (such as a VCR) are in a loop.

When other output terminals are required:

- **Set** the LOOP PROTECT switch to OFF. The input source signal will be supplied to all output terminals.

POWER INITIAL switch

- Use the POWER INITIAL switch when the JX-S700 is used with a timer.

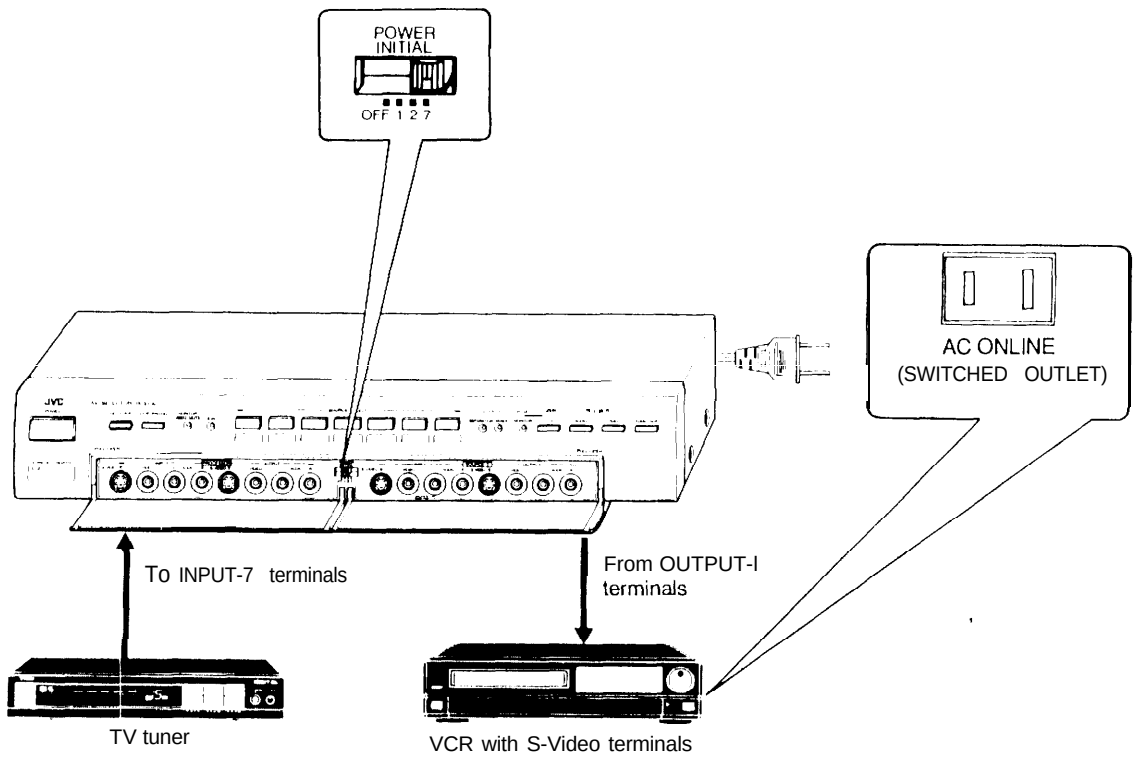
Major function of POWER INITIAL switch

- The input source that is selected when the JX-S700 is turned ON by the timer can be specified beforehand,

<Switch position>

OFF : Power OFF/Stand-by mode
1 : Power ON/Source Select-l
2 : Power ON/Source Select-2
7 : Power ON/Source Select-7

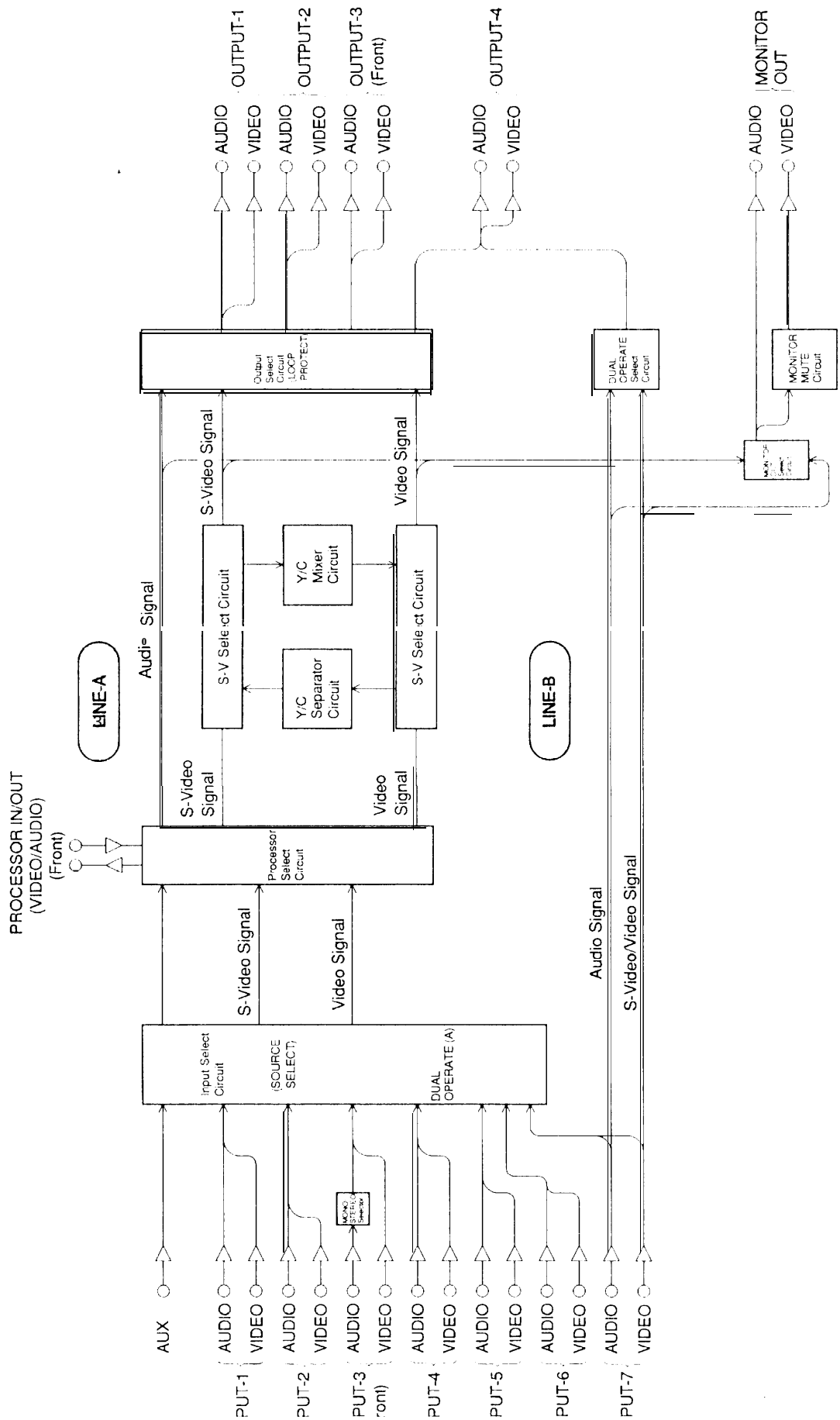
'In all modes, the Key Lock and LOOP PROTECT modes are automatically set to ON.



Note:

- For details of AC-Online operation, refer to the instruction manual of the VCR used.

BLOCK DIAGRAM



TROUBLESHOOTING

What appears to be a malfunction may not always be serious.
Make sure first...

Symptom	Cause	Remedy	Page to refer to
No power	■ Is the power cord disconnected from the AC outlet? ■ Is the POWER button turned OFF?	■ Plug the power cord firmly into the AC wall outlet. ■ Press the POWER button to ON.	
Incorrect picture	■ Are the video components correctly connected to the INPUT/OUTPUT terminals and is the correct SOURCE SELECT button pressed?	■ Check all connections and reconnect correctly, then select the correct SOURCE SELECT button.	10, 11 12, 13
	■ Is the color TV correctly connected to the MONITOR OUT terminals?	■ Check all connections and reconnect correctly.	8, 9
	■ Is the MONITOR VIDEO MUTE indicator lit?	■ Press the MONITOR VIDEO MUTE button so the indicator goes OFF.	19
	■ Is the PROCESSOR "VIDEO" indicator lit with the video processor not connected?	■ Press the PROCESSOR "VIDEO" button so the indicator goes OFF.	16, 17
No **picture recorded on the edited tape**	■ Is the playback/recording VCR correctly connected to the INPUT or OUTPUT terminals, and is the correct SOURCE SELECT button pressed?	■ Check all connections and reconnect correctly, then select the correct SOURCE SELECT button.	10, 11 14, 15
	■ Is the input select switch on the recording VCR set correctly to the "AUX" or "EXT" position?	■ Set the input select switch of the recording VCR to the "AUX" or "EXT" position.	
	■ Is the S-Video/Video signal input select switch on the recording VCR with S-Video terminals set to the correct position?	■ Set the video signal input select switch on the recording VCR to the correct position.	
Picture appears, but no sound is heard.	■ Is the PROCESSOR "AUDIO" indicator lit with the audio processor not connected?	■ Press the PROCESSOR "AUDIO" button so the indicator goes OFF.	16, 17
	■ Is the AUX ON indicator lit with the audio component not connected to the AUX terminals?	■ Press the AUX ON/OFF button so the indicator goes OFF.	18, 19
Parallel editing impossible	■ Are the video components correctly connected to the INPUT/OUTPUT terminals?	■ Check all connections and reconnect correctly.	20, 21
	■ Are connections of the components for Line-B set correctly?	■ Perform connections correctly according to the type of components used.	22
Editing via processor impossible	■ Are connections to the VCR with S-Video terminals set correctly?	■ Check all connections and reconnect correctly.	16, 17
	■ Are connections set correctly according to the type of the processor?	■ Perform connections correctly according to the type of processor used.	16, 17
Remote control impossible	■ Are the batteries in the remote control exhausted?	■ Replace both batteries (two) with new ones.	7
	■ Are polarities of the batteries loaded incorrectly?	■ Set polarities of the batteries correctly.	7
Power cannot be turned OFF	■ Is the KEY LOCK button engaged?	■ Press the KEY LOCK button to set OFF, then press the POWER button to OFF.	15

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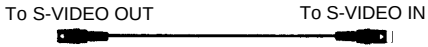
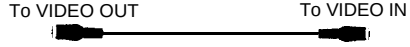
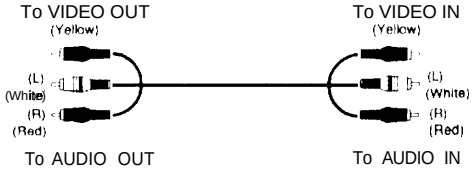
OPTIONAL CONNECTION CABLES

APPLICATION	FORM	MODEL
VCR with S-Video terminals Monitor TV with S-Video terminal	S-Video Connection Cable 	VC-S105HG (0.5 m/l .6 ft; LC-OFC, 24K gold-plated plugs) VC-S110HG (1 m/3.3 ft; LC-OFC, 24K gold-plated plugs) VC-S120HG (2 m/6.5 ft; LC-OFC, 24K gold-plated plugs) VC-S130HG (3 m/9.8 ft; LC-OFC, 24K gold-plated plugs) VC-S150HG (5 m/l 6 ft; LC-OFC, 24K gold-plated plugs) VC-Sl 1 OOHG (10 m/33 ft; LC-OFC, 24K gold-plated plugs)
VCR Monitor TV (stereo)	75-Ohm Coaxial Cable 	VX-105HG (0.5 m/l .6 ft; LC-OFC, 24K gold-plated plugs) VX-11 OHG (1 m/3.3 ft; LC-OFC, 24K gold-plated plugs) VX-120HG (2 m/6.5 ft; LC-OFC, 24K gold-plated plugs) VX-130HG (3 m/9.8 ft; LC-OFC, 24K gold-plated plugs) VX-150HG (5 m/l 6 ft; LG-OFC, 24K gold-plated plugs)
	Video/Audio Connection Cable 	VX-405HG (0.5 m/l .6 ft; LC-OFC, 24K gold-plated plugs) VX-41 OHG (1 m/3.3 ft; LC-OFC, 24K gold-plated plugs) VX-420HG (2 m/6.5 ft; LC-OFC, 24K gold-plated plugs)

SPECIFICATIONS

Video signal format	NTSC
Input/output terminals	
INPUT	7 lines (S-Video, Video, Audio L/R)
OUTPUT	4 lines (S-Video, Video, Audio L/R)
MONITOR OUT	1 line (S-Video, Video, Audio L/R)
PROCESSOR IN/OUT	1 line (S-Video, Video, Audio L/R)
AUX AUDIO input	1 (stereo)
Video input	
Reference input level	1 .O Vp-p, 75 ohms (unbalanced)
Maximum input level	1.5 vp-p
Video output level	1 .O Vp-p, 75 ohms (unbalanced) (with reference input)
Video crosstalk	50 dB (3.58 MHz)
Video S/N ratio	50 dB or more
Video frequency response	12 MHz
Audio input	
Reference input level	-10 dBV (316 mVRMS), 47 kohms
Maximum input level	+6 dBV (2.0 VRMS), 1kHz (with 1% distortion)
Audio output level	-10 dBV (with reference input, 1 kHz)
Audio crosstalk	80 dB or more (1 kHz)
Audio S/N ratio	80 dB or more
Audio frequency response	5 Hz - 50 kHz
Total harmonic distortion	0.01% (with reference input, 1 kHz)
Power requirement	AC 120 V, 60 Hz
Power consumption	14 watts (power ON), 2 watts (power OFF)
AC outlet	1, unswitched (300 watts max.)
Dimensions:	435 (W) x 84 (H) x 262 (D) mm (17-3/16" x 1-5/16" x 1 0-3/8") (including buttons, jacks and feet)
Weight	3.8 kg (8.4 lbs) (main unit)
Accessories	Remote control unit (RM-A700), "AAA"/R03/UM-4 battery x 2

Design and specifications subject to change without notice.